

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 – 36 (Canceled)

37. (Presently Amended) A polypeptide comprising ~~The polypeptide of claim 35,~~
~~wherein said polypeptide comprises~~ an amino acid sequence having

(a) the full length amino acid sequence set forth in SEQ ID NO:5, SEQ ID NO:6,
or SEQ ID NO:7;

(b) the full length amino acid sequence of the sequence set forth in SEQ ID NO:5,
SEQ ID NO:6, or SEQ ID NO:7, except that it lacks one or more of the following segments of
amino acid residues: 1-187 ~~and, 188-420,~~ 421-426 of SEQ ID NO:5, 44-80, ~~225-457,~~ and 458-
463 of SEQ ID NO:6, or 1-87, ~~188-405,~~ and 406-412 of SEQ ID NO:7, wherein said
polypeptide has tyrosine phosphatase activity;

(c) the amino acid sequence set forth in SEQ ID NO:5, SEQ ID NO:6, or SEQ ID
NO:7 from amino acid residues ~~1-187, 188-420, 421-426~~ of SEQ ID NO:5, ~~44-80, 225-457,~~
~~458-463~~ of SEQ ID NO:6, or ~~1-87, 188-405, 406-412~~ of SEQ ID NO:7, wherein said
polypeptide has tyrosine phosphatase activity; or

(d) the full length amino acid sequence set forth in SEQ ID NO:5, SEQ ID NO:6,
or SEQ ID NO:7 except that it lacks one or more of the domains selected from the group
consisting of an N-terminal domain, ~~a catalytic domain,~~ and C-terminal domain, wherein said
polypeptide has tyrosine phosphatase activity.

38. (New) A polypeptide comprising an amino acid sequence having the full
length amino acid sequence set forth in SEQ ID NO:5, SEQ ID NO:6, or SEQ ID NO:7.

39. (New) A polypeptide of claim 38, except that it lacks one or more of the
following segments of amino acid residues: 1-187 and 421-426 of SEQ ID NO:5, 44-80 and

458-463 of SEQ -ID NO:6, or 1-87 and 406-412 of SEQ ID NO:7, wherein said polypeptide has tyrosine phosphatase activity.

40. (New) A polypeptide of claim 38, except that it lacks one or more of the domains selected from the group consisting of an N-terminal domain and C-terminal domain, wherein said polypeptide has tyrosine phosphatase activity.

41. (New) A polypeptide comprising an amino acid sequence having from amino acid residues 188-420 of SEQ ID NO:5, 225-457 of SEQ ID NO:6, or 188-405 of SEQ ID NO:7, wherein said polypeptide has tyrosine phosphatase activity.